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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i> DATE MAILED: December 23, 2002 | ATTY. DOCKET NO. 000141 | SERIAL NO. 09/887,225 |
| | APPLICANT Jalali, et al. | |
| | FILING DATE 06/22/2001 | GROUP 2661 |
| | | |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|-------------------|------------------|------------|--------------------|-------|-----------|----------------------------|
| K | A1 6 1 4 4 7 1 1 | 11/07/2000 | Raleigh, et al. | 375 | 347 | 08/27/1997 |
| K | A2 6 1 3 1 0 1 6 | 10/10/2000 | Greenstein, et al. | 455 | 69 | 08/27/1997 |
| K | A3 5 7 8 4 3 6 3 | 07/21/198 | Engström, et al. | 370 | 332 | 04/13/1995 |
| | A4 | | | | | |
| | A5 | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | Ref. No | DOCUMENT NUMBER | DATE | COUNTRY | NAME | CLASS | SUB CLASS |
|------------------|---------|-----------------|------------|---------|---------------------------|-------|-----------|
| C | B1 | 0 1 0 8 3 6 9 | 02/01/2001 | PCT | UNIVERSITY OF SOUTHAMPTON | | |
| | B2 | | | | | | |
| | B3 | | | | | | |

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

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| K | C1 | Keller, et al. "SUB-BAND ADAPTIVE PRE-EQUALISED OFDM TRANSMISSION" 1999 IEEE VEHICULAR TECHNOLOGY CONFERENCE VOL. 1 (50): 334-338 (September 09, 1999) |
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| K | C2 | Rohling et, al. "Adaptive Coding and Modulation in an OFDM-TDMA Communication System" 1998 IEEE VEHICULAR TECHNOLOGY CONFERENCE 773-776 (May 18, 1998) |
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| K | C3 | Münster, et al. "Co-Channel Interference Suppression Assisted Adaptive OFDM in Interference Limited Environments" 1999 IEEE VEHICULAR TECHNOLOGY CONFERENCE VOL. 1 (50): 284-288 (September 09, 1999) |
| | | |
| EXAMINER <i>16a 16w</i> | | DATE CONSIDERED <i>4/8/05</i> |
| <small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> | | |

Customer No. 23696

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|---|--|----------------------------|---|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. | APPLICATION NO. |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | 000141 | 09/887,225 |
| DATE MAILED: 10/11/2001 | | APPLICANT JALALI et al. | RECEIVED OCT 17 2001 Technology Center 2600 |
| | | FILING DATE 06/22/2001 | GROUP 2661 |

| EXAMINER INITIAL | Ref No | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPRO- PRIATE |
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| K | A1 | 5,056,109 | 10/08/1991 | Gilhausen et al. | | | |
| R | A2 | 5,265,119 | 11/23/1993 | Gilhausen et al. | | | |
| R | A3 | 5,799,005 | 08/25/1998 | Soliman | | | |
| K | A4 | 5,903,554 | 05/11/1999 | Saints | | | |
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| | A6 | | | | | | |
| | A7 | | | | | | |
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| | A10 | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | Ref No | DOCUMENT NUMBER | DATE | COUNTRY | NAME | CLASS | SUB CLASS |
|---------------------|-----------|-----------------|------|---------|------|-------|--------------|
| | B1 | | | | | | |
| | B2 | | | | | | |
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| | B4 | | | | | | |
| | B5 | | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

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| | C1 | |
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| EXAMINER <i>Ka Lim</i> | | DATE CONSIDERED <i>4/8/05</i> |

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